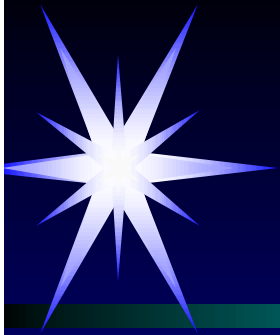


Intelligent Transportation Systems: Evaluation and Assessment



Joseph I. Peters, Ph.D.
ITS Joint Program Office
U.S. Department of Transportation

Symposium on Weather Information for Surface Transportation
Silver Spring, Maryland
November 30 - December 2, 1999



What is ITS?

Applications of electronics, communications, and information processing products and services to solving surface transportation problems

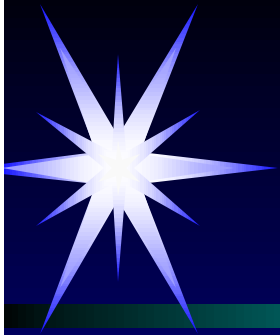


Intelligent Vehicles



Intelligent Infrastructure

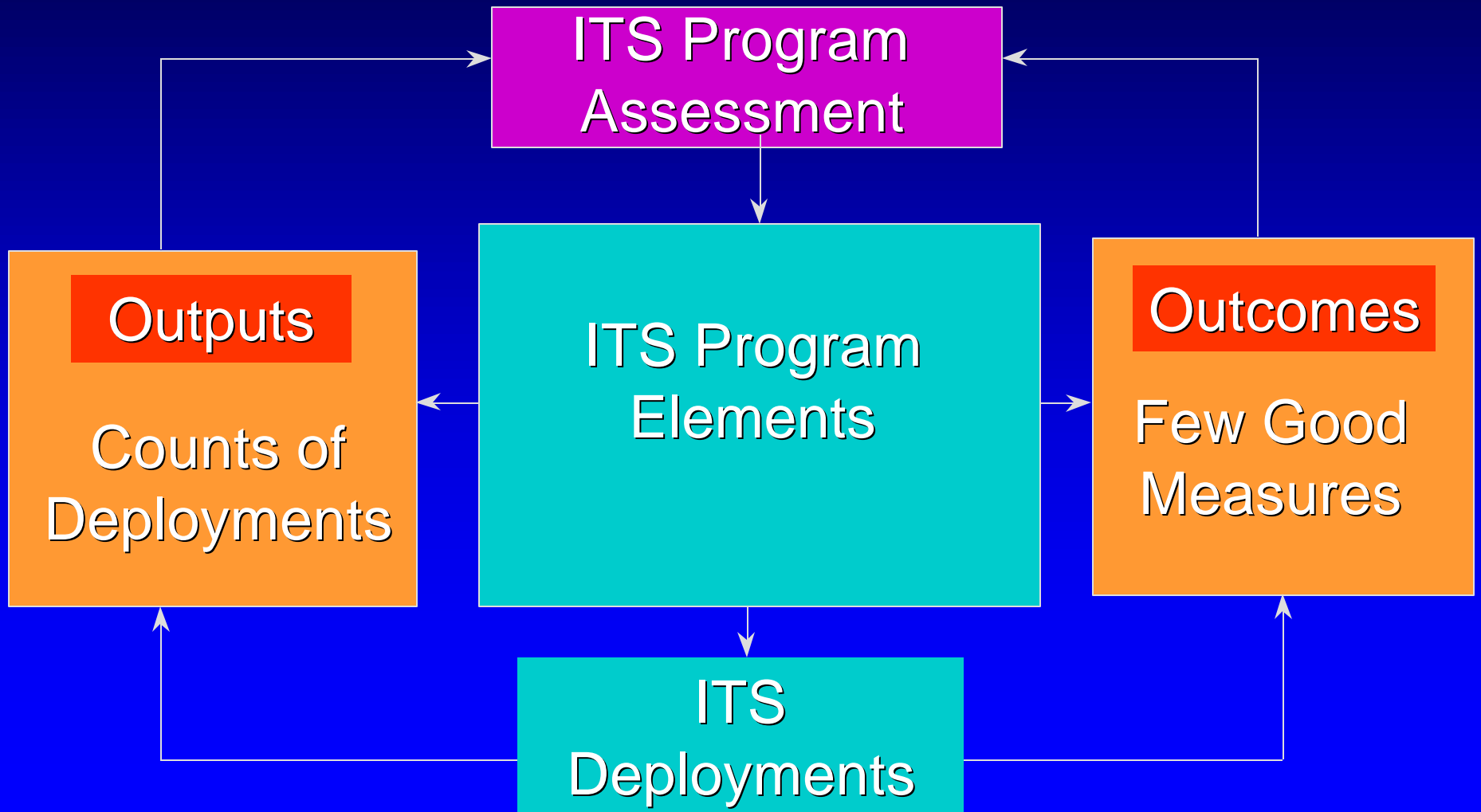
- Rural
- Commercial Vehicle
- Metropolitan

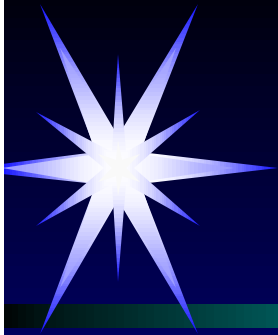


What is Rural ITS?

- Surface Transportation Weather and Winter Mobility
- Statewide/Regional Traveler Information Infrastructure
- Emergency Services
- Rural Crash Prevention
- Rural Transit Mobility
- Rural Traffic Management
- Highway Operations and Maintenance

How Are ITS Impacts Assessed?





What are the Outcome Measures?



Goal Area
Safety



Measure
Crashes/Fatalities



Efficiency

Throughput



Mobility

Travel Time Savings/Reliability



Productivity

Cost Savings

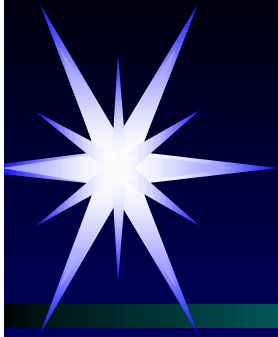


Energy & the
Environment

Emissions
Fuel Consumption

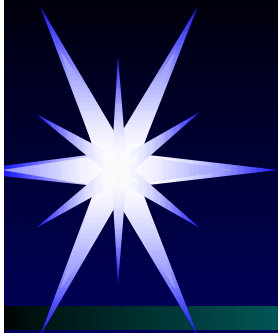


Customer Satisfaction Is The Bottom Line



How Do We Know What the Impacts Are?

- Research Studies
- Field Operational Tests
- Deployment Evaluations



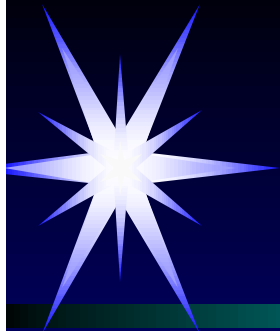
WIST-Related Field Operational Tests

- Advanced Transportation Weather Information System
North Dakota, South Dakota
- FORETELL
Iowa, Wisconsin, Missouri
- Idaho Storm Warning System
Idaho
- Travel-Aid
Snoqualmie Pass, Washington State



Next Steps

- Define the Rural ITS Infrastructure
Kick-off meeting:
December 14, 1999
8:30am - 4:00pm
Room 3329, Nassif Building
Washington, D.C.



Resources: WIST Brochure

- Available online:
<http://www.its.fhwa.gov/cyberdocs/welcome.htm>
- Can be ordered:
by phone: (202) 366-0722
by fax: (202) 366-3302
by e-mail: Kristy.Frizzell@fhwa.dot.gov
- Check these news sources for future publication dates:
<http://www.its.dot.gov> & <http://www.nawgits.com>